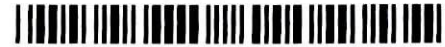


MAR 3 2018 *Plw*

Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D412-758-015
Job Sheet 173421



Part No: D412-758-015

Job Qty: 1 ea

Part Name: GPS Receiver Gimbal Mount



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 3/1/18

Job Tracking No:

Due Date: 3/20/18

Created By: Linda Lacelle

Type: SOLD

Description:

Note: DWG REV D SHEET 24 IPP rev:A 10.06.21 new issue DD verified by:EC IPP REV:B 12.10.24 ECN 12-669
DD VERF:JLM

Ship Via:

DAS
10
9-89

chg002

DAS
21
9-89

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	3/20/18	3/20/18	0.00	0.00	Start Up Stores/Pkg-1	<i>DAS 10 9-89</i>	MAR 20 2018
110	Packaging	1 pcs	3/20/18	3/20/18	0.00	0.00	Packaging1-4		
115	QC	1 pcs	3/20/18	3/20/18	0.00	0.00	QC4		<i>7.10</i>
118	DC	1 pcs	3/20/18	3/20/18	0.00	0.00	DC		
120	Packaging	1 pcs	3/20/18	3/20/18	0.00	0.00	Packaging3-2		
130	QC21-FG	1 Ea	3/20/18	3/20/18	0.00	0.00	QC21	<i>md. 18/03/22</i> <i>DAS 21 9-89</i>	MAR 23 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN525-10R10	Screw	4 Ea (4 ea)	90-Start up Operation	<i>FM 135979</i>
AN525-10R9	Screw	3 Ea (3 ea)	90-Start up Operation	<i>FM 133990-12</i>
<i>D2464</i>	Neoprene Seal (\$Per Foot)	<i>1.1000 ft (1.1 ea)</i>	90-Start up Operation	<i>FM 121946</i>
D3525-1	Placard	1 Ea (1 ea)	90-Start up Operation	<i>5030369</i>
D3531-041	Top Mounted Gps Bracket Assembly	1 Ea (1 ea)	90-Start up Operation	<i>S051110</i>
D3645-1	Washer	4 Ea (4 ea)	90-Start up Operation	<i>F123144</i>
MS21042L06	Nut	4 Ea (4 ea)	90-Start up Operation	<i>S027552</i>
MS21042L3	Nut	3 Ea (3 ea)	90-Start up Operation	<i>S038764</i>
MS24693-S29	Screw	4 Ea (4 ea)	90-Start up Operation	<i>FM136741-40</i>
NAS1149D0363J	Washer	7 Ea (7 ea)	90-Start up Operation	<i>S015269</i>
NAS1149DN632J	Washer	4 pcs (4 ea)	90-Start up Operation	<i>S024482</i>
RAM-B-201U-A	Socket Arm, 1.75"	2 pcs (2 ea)	90-Start up Operation	<i>F160152</i>
RAM-B-202U	Round Plate Mount, Single 1" Ball	2 pcs (2 ea)	90-Start up Operation	<i>F160153</i>
RAM-B-217U	Round Plate Mount, Dual 1" Ball	1 pcs (1 ea)	90-Start up Operation	<i>F158943</i>



Container No: S052970



Part: D412-758-015

Job No: 173421

Serial No/Batch: S052970

Revision: D

Inspector:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Plex 3/1/18 1:58 PM dart.lacelle.linda

Date: 03/20/18

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Skid-tube ☐</td> <td style="width: 15%;">Cross tube ☐</td> <td style="width: 15%;">Water Jet ☐</td> <td style="width: 15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
								Lead hand / Supervisor Approval Verification																	
								QC / QA Coordinator Approval																	
Root Cause <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;"> Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ </td> <td style="width: 50%;"> No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐ </td> </tr> </table>		Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	FAULT CATEGORY <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"> Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ </td> <td style="width: 33%;"> Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ </td> <td style="width: 33%;"> Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ </td> <td style="width: 33%;"> Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐ </td> </tr> </table>						Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐												
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OTHER : ☐																									

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	AN525-10R10	4	268	0
	AN525-10R9	3	130	0
	D2464	1	654	0
	D3525-1	1	9	0
	D3531-041	1	1	0
	D3645-1	4	47	0
	MS21042L06	4	152	0
	MS21042L3	3	3,339	0
	MS24693-S29	4	80	0
	NAS1149D0363J	7	3,387	0
	NAS1149DN632J	4	428	0
	RAM-B-201U-A	2	5	0
	RAM-B-202U	2	5	0
	RAM-B-217U	1	2	0
Part Specifications				
Specifications could not be found.				

Plex 3/1/18 1:58 PM dart.lacelle.linda

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Misidentified ☐	Past Due ☐																																																																



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

Container View (Active) - Master Unit Containers

Master Unit No	Container No	Part No	Part Name	From Container	Current Location	Quantity
001366	S047538	AN525-10R10	Screw	fm135979	ST329	4
001366	S047539	AN525-10R9	Screw	fm133990-17	ST329	3
001366	S047543	D2464	Neoprene Seal (\$Per Foot)	F121946	ST409	1.1
001366	S047541	D3525-1	Placard	s030369	ST038	1
001366	S047534	D3645-1	Washer	f123144	ST047	4
001366	S047533	MS21042L06	Nut	s027552	ST303	4
001366	S047530	MS21042L3	Nut	s038764	ST303	3
001366	S047529	MS24693-S29	Screw	fm136741-40	ST286	4
001366	S047526	NAS1149D0363J	Washer	s015269	ST263	7
001366	S047525	NAS1149DN632J	Washer	s024482	ST265	4
001366	S047521	RAM-B-201U-A	Socket Arm, 1.75"	f160152	ST571	2
001366	S047519	RAM-B-202U	Round Plate Mount, Single 1" Ball	f160153	ST571	2
001366	F158943	RAM-B-217U	Round Plate Mount, Dual 1" Ball		ST571	1

Note: Ad hoc query view of Part.dbo.Container where Container.Active = 1.

D3531-041 5051110 1X

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PAGE 1 OF 1

Part Number: D412-758-015

Description: GPSMAP TOP MOUNTED GPS RECEIVER GIMBAL MOUNT

[illegible]